

## ABSTRACT

A carburetor heater is provided to improve the operation of a carburetor, especially in cold and/or humid conditions, by minimizing moisture freezing therein. The carburetor heater is designed to accommodate a heating element within a conductive body that is shaped to complement the outer surface of the carburetor. The heater is fastened to the carburetor and attached to other elements of the engine or vehicle so as to be isolated from engine vibrations. The heating element can be a passage coupled to a cooling system of an all-terrain vehicle, and/or a resistive element coupled to an electrical system of the all-terrain vehicle, which is representative of the variety of vehicles with which the carburetor heater may be used.